

Thursday, March 20, 1997
LUNAR ORIGINS AND IGNEOUS EVOLUTION
8:30 a.m. Room C

Chairs: B. L. Jolliff
D. J. Lindstrom

Taylor S. R.*
The Bulk Composition of the Moon

Jakes P.* Jambon A.
Similarity (Identity) of the Composition of the Earth's Lower Mantle and the Bulk Composition of the Moon?

Alley K. M. Parmentier E. M.* Hess P. C.
Numerical Experiments on Thermal Convection in a Chemically Stratified Viscous Fluid Heated from Below: Implications for a Model of Lunar Evolution

Jolliff B. L.* Floss C.
Liquid Immiscibility in a Lunar Plutonic Setting and the Evolution of KREEPY Residual Melts

Herrell K.* Nakamura K. Ryder G. Schuraytz B.
Olivine Crystals and the Petrogenesis of the Apollo 15 Olivine-Normative Mare Basalts: I. Petrography

Snyder G. A.* Borg L. E. Lee D.-C. Taylor L. A. Nyquist L. E. Halliday A. N.
Nd-Sr-Hf Isotopic and Geochronologic Studies of Apollo 15 Basalts

Welten K. C.* Lindstrom D. J. Martinez R. R.
Trace Elements in Basaltic Fragments from Luna 16 Soils

Shearer C. K.* Wiedenbeck M. Spilde M. N. Papike J. J.
Minor and Trace Element Partitioning Between Immiscible High-Fe Basalts and High-Si Rhyolites: An Example from Melt Inclusions in Mare Basalts

Papike J. J.* Spilde M. N. Adcock C. T. Fowler G. W. Shearer C. K.
Trace Element Fractionation by Impact-Induced Volatilization: SIMS Study of Lunar HASP Glasses

Hess P. C.* Finnla A.
Depths of Segregation of Hi-TiO₂ Picrite Mare Glasses

Symes S. J. K.*
Formation of the Crystalline Lunar Spherules

Hanson B. Lindstrom D. J.*
Compositional Variability Among 74220 Orange Glass Beads and Their Crystallized Equivalents

Rutherford M. J.* Weitz C. M.
Oxidation State of the A17 Orange Glass Source as Inferred from Inclusions in Olivine Phenocrysts